

Notice of Allowability

Application No.

10/829,161

Examiner

Jade Callaway

Applicant(s)

TAKAO, KUNIYUKI

Art Unit

2872

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/22/04, 7/22/04, 5/24/05, 7/11/07.
2. ☒ The allowed claim(s) is/are 1-12.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached.
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date See Continuation Sheet
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 7/22/04, 5/24/05, 7/11/07.

DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Response to Amendment

2. The preliminary amendment to the claims filed on 4/22/04 has been entered since it conforms to 37 CFR 1.115 (a) and (b).
3. Receipt is acknowledged of the preliminary amendment to the claims filed 4/22/07.

Drawings

4. The drawings were received on 4/22/04. These drawings are acceptable.

Allowable Subject Matter

5. Claims 1-12 are allowed.

EXAMINER'S AMENDMENT

6. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Srikant Viswanadahm on 9/12/07.

The application has been amended as follows:

Abstract, line 1, delete "is disclosed"

Reasons for Allowance

7. The following is an examiner's statement of reasons for allowance: even though the prior art discloses a method for manufacturing a color wheel which comprises a disk-like substrate made of a light-transmittable material, and plural kinds of filter sectors formed on the substrate and functioning either to selectively transmit or to selectively reflect lights having respective different wavelength bands, the prior art fails to teach or reasonably suggest, regarding claim 1, a method for manufacturing a color wheel comprising the steps of: setting, over the substrate having the mask pattern formed thereon, a masking jig which has openings dimensioned slightly larger than the predetermined filter sectors; forming, on the substrate with the masking jig set thereon, predetermined filters to constitute the predetermined filter sector; taking off the masking jig from the substrate having the predetermined filters formed thereon; and removing the mask pattern from the substrate with the masking jig taken off therefrom, as set forth by the claimed invention. Claims 2-12 are dependent on claim 1, and hence are allowable for at least the same reasons claim 1 is allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

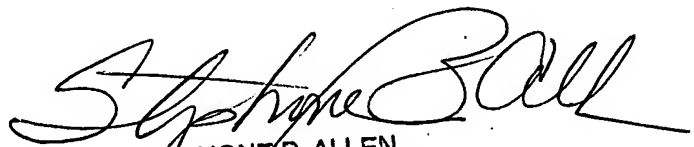
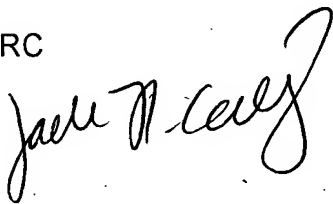
8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kamei et al. (7,056,630) disclose a color wheel fabrication

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method. Jiang et al. (7,190,536) disclose a color filter disc and process of making the same. Buchsbaum (5,711,889) discloses a method for making a dichroic filter array. Edlinger et al. (6,238,583) disclose a process for production of a structure of color filter layer system regions. Chang et al. (2004/0038137) disclose a coating method for a color filter and an assembling method using the same. Toshiaki (JP 2005-062319) discloses a color wheel and its manufacturing method.

9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JRC



STEPHONE B. ALLEN
SUPERVISORY PATENT EXAMINER